

File 347:JAPIO Dec 1976-2009/Jan(Updated 090503)

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File 350:Derwent WPIX 1963-2009/UD=200927

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Set Items Description

S1 209837 (RIJNDAEL OR AES OR ADVANCED()ENCRYPTION()STANDARD
OR (BLO-

CK()(CIPHER OR CIPHERS OR CYpher OR CYPHERS)) OR SQUARE OR
((-

FIPS OR FEDERAL()INFORMATION()PROCESSING()STANDARD?

?)(197)-

))

S2 11 (ADD()ROUND()(KEY OR KEYS)OR ADDROUNDKEY? ?)

S3 7247226 (CONCURRENT?? OR SIMULTANEOUS??? OR PARALLEL OR
TOGETHER OR

SYNCHRONI? OR ACCOMPANY OR CONCOMIT? OR JOINTLY OR

SYNC OR S-

YNCH OR UNISON OR TANDEM OR SAME (2W) (TIME OR INSTANT OR
INS-

TANCE OR INTERVAL OR PERIOD) OR WHILE OR DURING)

S4 142 ((SHIFT()(ROW OR ROWS)) OR SHIFTROW? ?)

S5 2846 (SUBBYTE OR SUBBYTES OR SUBBIT OR SUBITS OR SBOX OR
SBOXES

OR ((SUB OR SUBSTITUT?????)(BYTE OR BYTES OR BIT OR BITS)) OR
(S()(BOX OR BOXES)))

S6 61 (MIX()COLUMN? ? OR MIXCOLUMN? ?)

S7 5 S2 AND S3

S8 5 S7 AND (S1 OR S4 OR S5 OR S6)

S9 0 (S8 AND PY=1963:2003) OR (S8 AND AC=US AND AY=1963:2003)

S10 6453186 (DATA OR INFORMATION OR SEQUENCE? ? OR STRING OR
CHARACTER?

? OR DATABIT? ? OR BITVALUE? ? OR SIGNAL? ? OR BIT OR BITS OR
BYTE OR BYTES)

S11 4022386 (NUMBER? ? OR NUMERAL? ? OR DIGIT OR DIGITS OR
NUMERIC?? OR

INTEGER OR INTEGERS OR VALUE OR VALUES)

S12 13012380 (BLOCK OR BLOCKS OR SEGMENT? ? OR PORTION? ? OR
COMPONENT?

? OR SECTION? ? OR PART OR PARTS OR AREA OR AREAS OR
SEGMENT?

? OR PARTITION? ? OR SUBSET? ? OR SUBKEY? ? OR KEY OR KEYS)

S13 623074 (S10 OR S11) (5N) (ADD OR ADDED OR ADDING OR ADDS OR
COMBI-

N????? OR CONCATENAT??? OR ADDITION? ? OR GRAFT??? OR
INCORPO-

RAT??? OR INTEGRAT??? OR APPEND??? OR INSERT OR INSERTS OR
IN-
 SERTING OR INSERTED OR INSERTION)
S14 453411 ((S12 OR ROW OR ROWS) (5N) (SHIFT??? OR MOVE OR MOVING
OR -
 MOVED OR MOVES OR REPOSITION??? OR RELOCAT??? OR
DISPLAC?????
 OR SHUFFL???)
S15 412210 (S10 OR S11) (5N) (SUBSTITUT???? OR REPLAC??? OR
REPLACEME-
 NT? ? OR EXCHANG??? OR SWAP OR SWAPPING OR SWAPS OR
SWAPPED OR
 SUPPLANT??? OR DISPLAC??? OR DISPLACEMENT? ? OR
INTERCHANG???
 OR SUB OR SUBBING OR SUBS OR SUBBED)
S16 217349 (S12 OR COLUMN? ?) (5N) (MIX OR MIXES OR MIXING OR
MIXED OR
 DIFFUS???? OR COALESC??? OR COMMINGL??? OR MERGE OR
MERGED -
 OR MERGING OR MERGES OR BLEND OR BLENDING OR BLENDS OR
BLENDED
 OR AMALGAMAT????)
S17 222916 S13 AND S3
S18 5576 S17 AND S14
S19 139 S18 AND S1
S20 34 S19 AND (S15 OR S16)
S21 27 (S20 AND PY=1963:2003) OR (S20 AND AC=US AND AY=1963:2003)
S22 23221 S17 AND (S15 OR S16)
S23 455 S22 AND S1
S24 21583 S17 AND S15
S25 416 S24 AND S1
S26 1885 S16 AND S17
S27 51 S26 AND S1
S28 47 S27 NOT S21
S29 26 (S28 AND PY=1963:2003) OR (S28 AND AC=US AND AY=1963:2003)
S30 25158 AU=(LEE, Y? OR LEE Y?)
S31 15535 AU=(PARK, Y? OR PARK Y?)
S32 49081 AU=(KIM, Y? ? OR KIM Y?)
S33 61177 AU=(LEE, S? OR LEE S?)
S34 1870 AU=(JUN, S? OR JUN S?)
S35 8 S30 AND S31 AND S32 AND S33 AND S34

File 349:PCT FULLTEXT 1979-2009/UB=20090423|UT=20090416

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File 348:EUROPEAN PATENTS 1978-200918

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Set Items Description

S1 309913 (RIJNDAEL OR AES OR ADVANCED()ENCRYPTION()STANDARD
OR (BLO-

CK())(CIPHER OR CIPHERS OR CYpher OR CYPHERS)) OR SQUARE OR
((-

FIPS OR FEDERAL()INFORMATION()PROCESSING()STANDARD?

?)(197)-

))

S2 48 (ADD()ROUND()(KEY OR KEYS)OR ADDROUNDKEY? ?)

S3 2369257 (CONCURRENT?? OR SIMULTANEOUS??? OR PARALLEL OR
TOGETHER OR

SYNCHRONI? OR ACCOMPANY OR CONCOMIT? OR JOINTLY OR
SYNC OR S-
YNCH OR UNISON OR TANDEM OR SAME (2W) (TIME OR INSTANT OR
INS-

TANCE OR INTERVAL OR PERIOD) OR WHILE OR DURING)

S4 128 ((SHIFT()(ROW OR ROWS)) OR SHIFTROW? ?)

S5 1985 (SUBBYTE OR SUBBYTES OR SUBBIT OR SUBITS OR SBOX OR
SBOXES

OR ((SUB OR SUBSTITUT????)()(BYTE OR BYTES OR BIT OR BITS)) OR
(S()(BOX OR BOXES)))

S6 120 (MIX()COLUMN? ? OR MIXCOLUMN? ?)

S7 41 S2 AND S3

S8 41 S7 AND (S4 OR S5 OR S6)

S9 9 (S8 AND PY=1978:2003) OR (S8 AND (AC=US OR AC=US/PR) AND A-
Y=1978:2003)

File 349:PCT FULLTEXT 1979-2009/UB=20090423|UT=20090416

(c) 2009 WIPO/THOMSON

File 348:EUROPEAN PATENTS 1978-200918

(c) 2009 European Patent Office

Set Items Description

S1 309911 (RIJNDAEL OR AES OR ADVANCED()ENCRYPTION()STANDARD
OR (BLO-
 CK()(CIPHER OR CIPHERS OR CYpher OR CYPHERS)) OR SQUARE)
S2 63003 S1 (40N) (DATA OR INFORMATION OR SEQUENCE? ? OR STRING
OR -
 CHARACTER? ? OR DATABIT? ? OR BITVALUE? ? OR SIGNAL? ? OR
BIT
 OR BITS OR BYTE OR BYTES)
S3 72207 S1 (40N) (NUMBER? ? OR NUMERAL? ? OR DIGIT OR DIGITS OR
N-
 UMERIC?? OR INTEGER OR INTEGERS OR VALUE OR VALUES)
S4 24228 S2 (30N) (BLOCK OR BLOCKS OR SEGMENT? ? OR PORTION? ?
OR C-
 OMponent? ? OR SECTION? ? OR PART OR PARTS OR AREA OR
AREAS OR
 SEGMENT? ? OR PARTITION? ? OR SUBSET? ? OR SUBKEY? ? OR KEY -
OR KEYS)
S5 11643 (S2 OR S3) (5N) (ADD OR ADDED OR ADDING OR ADDS OR
COMBIN?-
 ????) OR CONCATENAT??? OR ADDITION? ? OR GRAFT??? OR
INCORPORA-
 T??? OR INTEGRAT??? OR APPEND??? OR INSERT OR INSERTS OR
INSE-
 RTING OR INSERTED OR INSERTION)
S6 1175 S5 (25N) (CONCURRENT?? OR SIMULTANEOUS?? OR PARALLEL
OR T-
 OGETHER OR SYNCHRONI? OR ACCOMPANY OR CONCOMIT? OR
JOINTLY OR
 SYNC OR SYNCH OR UNISON OR TANDEM OR SAME (2W) (TIME OR
INSTA-
 NT OR INSTANCE OR INTERVAL OR PERIOD))
S7 11216 ((S4 OR ROW OR ROWS) (5N) (SHIFT??? OR MOVE OR MOVING
OR M-
 OVED OR MOVES OR REPOSITION??? OR RELOCAT??? OR
DISPLAC???? -
 OR SHUFFL????))
S8 5506 (S2 OR S3) (5N) (SUBSTITUT???? OR REPLAC??? OR
REPLACEMENT?
 ? OR EXCHANG??? OR SWAP OR SWAPPING OR SWAPS OR SWAPPED
OR S-

UPPLANT??? OR DISPLAC??? OR DISPLACEMENT? ? OR
INTERCHANG??? -
 OR SUB OR SUBBING OR SUBS OR SUBBED)
S9 8464 (S4 OR COLUMN? ?) (5N) (MIX OR MIXES OR MIXING OR MIXED
OR
 DIFFUS???? OR COALESC??? OR COMMINGL??? OR MERGE OR
MERGED OR
 MERGING OR MERGES OR BLEND OR BLENDING OR BLENDS OR
BLENDED -
 OR AMALGAMAT???)
S10 197 S5 (30N) S7
S11 186 S5 (20N) S7
S12 144 (S11 AND PY=1978:2003) OR (S11 AND (AC=US OR AC=US/PR) AND
AY=1978:2003)
S13 20 S12 (30N) S8
S14 20 S12 (60N) S8
S15 664 S8 (20N) S5
S16 644 S15 NOT S14
S17 14 S16 (20N) S9
S18 5 (S17 AND PY=1978:2003) OR (S17 AND (AC=US OR AC=US/PR) AND
AY=1978:2003)
S19 3943 AU=(LEE, Y? OR LEE Y?)
S20 2097 AU=(PARK, Y? OR PARK Y?)
S21 6516 AU=(KIM, Y? ? OR KIM Y?)
S22 8731 AU=(LEE, S? OR LEE S?)
S23 157 AU=(JUN, S? OR JUN S?)
S24 2 S19 AND S20 AND S21 AND S22 AND S23

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 Gale/Cengage

File 266:FEDRIP 2009/Jan
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File 65:Inside Conferences 1993-2009/May 05
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File 99:Wilson Appl. Sci & Tech Abs 1983-2009/Feb
(c) 2009 The HW Wilson Co.

File 144:Pascal 1973-2009/Apr W4
(c) 2009 INIST/CNRS

File 60:ANTE: Abstracts in New Tech & Engineer 1966-2009/May
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File 56:Computer and Information Systems Abstracts 1966-2009/May
(c) 2009 CSA.

File 6:NTIS 1964-2009/Apr W4
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File 8:Ei Compendex(R) 1884-2009/Apr W4
(c) 2009 Elsevier Eng. Info. Inc.

File 95:TEME-Technology & Management 1989-2009/Apr W2
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File 2:INSPEC 1898-2009/AprW3
(c) 2009 Institution of Engineering & Technology

File 34:SciSearch(R) Cited Ref Sci 1990-2009/Apr W3
(c) 2009 The Thomson Corp

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 2006 The Thomson Corp

File 239:Mathsci 1940-2009/May
(c) 2009 American Mathematical Society

File 62:SPIN(R) 1975-2009/Mar W5
(c) 2009 American Institute of Physics

File 256:TecInfoSource 82-2009/Feb
(c) 2009 Info.Sources Inc

Set	Items	Description
S1	780677	(RIJNDAEL OR AES OR ADVANCED()ENCRYPTION()STANDARD OR (BLOCKS))
S2	17	(ADD()ROUND())(KEY OR KEYS)OR ADDROUNDKEY? ?)
S3	5208506	(CONCURRENT?? OR SIMULTANEOUS???) OR PARALLEL OR TOGETHER OR
		SYNCHRONIZED? OR ACCOMPANY OR CONCOMIT? OR JOINTLY OR SYNC OR S-
		YNTCH OR UNISON OR TANDEM OR SAME (2W) (TIME OR INSTANT OR INSTANT-)
		TANCE OR INTERVAL OR PERIOD))
S4	52	((SHIFT()(ROW OR ROWS)) OR SHIFTROW? ?)
S5	3203	(SUBBYTE OR SUBBYTES OR SUBBIT OR SUBBITS OR SBOX OR SBOXES
		OR ((SUB OR SUBSTITUTION????)()(BYTE OR BYTES OR BIT OR BITS)) OR (S()BOX OR BOXES))
S6	163	(MIX()COLUMN? ? OR MIXCOLUMN? ?)
S7	1	S2 AND S3
S8	71921	S3 AND S1
S9	126	S8 AND (S4 OR S5 OR S6)
S10	26	S9 NOT PY>2003
S11	16	RD (unique items)
S12	17897863	(DATA OR INFORMATION OR SEQUENCE? ? OR STRING OR CHARACTER?
		? OR DATABIT? ? OR BITVALUE? ? OR SIGNAL? ? OR BIT OR BITS OR BYTE OR BYTES)
S13	12990472	(NUMBER? ? OR NUMERAL? ? OR DIGIT OR DIGITS OR NUMERIC?? OR
		INTEGER OR INTEGERS OR VALUE OR VALUES)
S14	15145801	(BLOCK OR BLOCKS OR SEGMENT? ? OR PORTION? ? OR COMPONENT?
		? OR SECTION? ? OR PART OR PARTS OR AREA OR AREAS OR SEGMENT?
		? OR PARTITION? ? OR SUBSET? ? OR SUBKEY? ? OR KEY OR KEYS)
S15	1156543	(S12 OR S13) (5N) (ADD OR ADDED OR ADDING OR ADDS OR COMBINATIONS)
		N????? OR CONCATENATE??? OR ADDITION? ? OR GRAFT??? OR INCORPORATE?
		RATE??? OR INTEGRATE??? OR APPEND??? OR INSERT OR INSERTS OR INSERT-IN-
		SERTING OR INSERTED OR INSERTION)
S16	157425	((S14 OR ROW OR ROWS) (5N) (SHIFT??? OR MOVE OR MOVING OR -)
		MOVED OR MOVES OR REPOSITION??? OR RELOCATE??? OR DISPLACEMENT?????

OR SHUFFL????))

S17 683867 (S12 OR S13) (5N) (SUBSTITUT???? OR REPLAC??? OR
REPLACEME-

NT? ? OR EXCHANG??? OR SWAP OR SWAPPING OR SWAPS OR
SWAPPED OR

SUPPLANT??? OR DISPLAC??? OR DISPLACEMENT? ? OR
INTERCHANG???

OR SUB OR SUBBING OR SUBS OR SUBBED)

S18 172038 (S14 OR COLUMN? ?) (5N) (MIX OR MIXES OR MIXING OR
MIXED OR

DIFFUS???? OR COALESC??? OR COMMINGL??? OR MERGE OR
MERGED -

OR MERGING OR MERGES OR BLEND OR BLENDING OR BLENDS OR
BLENDED

OR AMALGAMAT????)

S19 140971 S15 AND S3

S20 653 S19 AND S16

S21 21 S20 AND S1

S22 20 S21 NOT S11

S23 19 S22 NOT PY>2003

S24 14 RD (unique items)

S25 5503 S19 AND S17

S26 73 S25 AND S1

S27 71 S26 NOT (S11 OR S24)

S28 40 S27 NOT PY>2003

S29 39 RD (unique items)

S30 566 S19 AND S18

S31 19 S30 AND S1

S32 18 S31 NOT (S27 OR S11 OR S24)

S33 8 S32 NOT PY>2003

S34 5 RD (unique items)

S35 76565 AU=(LEE, Y? OR LEE Y?)

S36 34707 AU=(PARK, Y? OR PARK Y?)

S37 61644 AU=(KIM, Y? ? OR KIM Y?)

S38 170092 AU=(LEE, S? OR LEE S?)

S39 4703 AU=(JUN, S? OR JUN S?)

S40 2 S35 AND S36 AND S37 AND S38 AND S39

S41 2 RD (unique items)

- File 613:PR Newswire 1999-2009/May 06
(c) 2009 PR Newswire Association Inc
- File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
- File 369:New Scientist 1994-2009/Apr W4
(c) 2009 Reed Business Information Ltd.
- File 674:Computer News Fulltext 1989-2006/Sep W1
(c) 2006 IDG Communications
- File 370:Science 1996-1999/Jul W3
(c) 1999 AAAS
- File 610:Business Wire 1999-2009/May 06
(c) 2009 Business Wire.
- File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
- File 553:Wilson Bus. Abs. 1982-2009/May
(c) 2009 The HW Wilson Co
- File 98:General Sci Abs 1984-2009/May
(c) 2009 The HW Wilson Co.
- File 484:Periodical Abs Plustext 1986-2009/Apr W3
(c) 2009 ProQuest
- File 16:Gale Group PROMT(R) 1990-2009/Apr 14
(c) 2009 Gale/Cengage
- File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
- File 647:UBM Computer Fulltext 1988-2009/May W1
(c) 2009 UBM, LLC
- File 275:Gale Group Computer DB(TM) 1983-2009/Apr 10
(c) 2009 Gale/Cengage
- File 47:Gale Group Magazine DB(TM) 1959-2009/Apr 24
(c) 2009 Gale/Cengage
- File 621:Gale Group New Prod.Annou.(R) 1985-2009/Mar 31
(c) 2009 Gale/Cengage
- File 636:Gale Group Newsletter DB(TM) 1987-2009/Apr 15
(c) 2009 Gale/Cengage
- File 148:Gale Group Trade & Industry DB 1976-2009/Apr 21
(c) 2009 Gale/Cengage
- File 624:McGraw-Hill Publications 1985-2009/May 06
(c) 2009 McGraw-Hill Co. Inc
- File 15:ABI/Inform(R) 1971-2009/May 05
(c) 2009 ProQuest Info&Learning
- File 635:Business Dateline(R) 1985-2009/May 05
(c) 2009 ProQuest Info&Learning
- File 9:Business & Industry(R) Jul/1994-2009/May 05
(c) 2009 Gale/Cengage
- File 696:DIALOG Telecom. Newsletters 1995-2009/May 05
(c) 2009 Dialog

Set Items Description

S1 2390108 (RIJNDAEL OR AES OR ADVANCED()ENCRYPTION()STANDARD
OR (BLO-
 CK()(CIPHER OR CIPHERS OR CYpher OR CYPHERS)) OR SQUARE)
S2 6 (ADD()ROUND()(KEY OR KEYS)OR ADDROUNDKEY? ?)
S3 10889282 (CONCURRENT?? OR SIMULTANEOUS?? OR PARALLEL OR
TOGETHER OR
 SYNCHRONI? OR ACCOMPANY OR CONCOMIT? OR JOINTLY OR
SYNC OR S-
 YNCH OR UNISON OR TANDEM OR SAME (2W) (TIME OR INSTANT OR
INS-
 TANCE OR INTERVAL OR PERIOD))
S4 25 ((SHIFT()(ROW OR ROWS)) OR SHIFTROW? ?)
S5 27532 (SUBBYTE OR SUBBYTES OR SUBBIT OR SUBITS OR SBOX OR
SBOXES
 OR ((SUB OR SUBSTITUT????)()(BYTE OR BYTES OR BIT OR BITS)) OR
(S()(BOX OR BOXES)))
S6 75 (MIX()COLUMN? ? OR MIXCOLUMN? ?)
S7 0 S2 (50N) S3
S8 342809 S1 (50N) (DATA OR INFORMATION OR SEQUENCE? ? OR STRING
OR -
 CHARACTER? ? OR DATABIT? ? OR BITVALUE? ? OR SIGNAL? ? OR
BIT
 OR BITS OR BYTE OR BYTES)
S9 256218 S1 (50N) (NUMBER? ? OR NUMERAL? ? OR DIGIT OR DIGITS OR
NU-
 MERIC?? OR INTEGER OR INTEGERS OR VALUE OR VALUES)
S10 547710 S1 (25N) (BLOCK OR BLOCKS OR SEGMENT? ? OR PORTION? ?
OR C-
 OMPONENT? ? OR SECTION? ? OR PART OR PARTS OR AREA OR
AREAS OR
 SEGMENT? ? OR PARTITION? ? OR SUBSET? ? OR SUBKEY? ? OR KEY -
OR KEYS)
S11 67968 (S8 OR S9) (5N) (ADD OR ADDED OR ADDING OR ADDS OR
COMBIN?-
 ???? OR CONCATENAT??? OR ADDITION? ? OR GRAFT??? OR
INCORPORA-
 T??? OR INTEGRAT??? OR APPEND??? OR INSERT OR INSERTS OR
INSE-
 RTING OR INSERTED OR INSERTION)
S12 2447 S11 (20N) S3
S13 21470 ((S10 OR ROW OR ROWS) (5N) (SHIFT??? OR MOVE OR MOVING
OR -
 MOVED OR MOVES OR REPOSITION?? OR RELOCAT?? OR
DISPLAC?????

OR SHUFFL????))

S14 21787 (S8 OR S9) (5N) (SUBSTITUT????? OR REPLAC??? OR
REPLACEMENT?

? OR EXCHANG??? OR SWAP OR SWAPPING OR SWAPS OR SWAPPED
OR S-

UPPLANT??? OR DISPLAC??? OR DISPLACEMENT? ? OR
INTERCHANG??? -

OR SUB OR SUBBING OR SUBS OR SUBBED)

S15 8 S12 (20N) S13

S16 8 S12 (40N) S13

S17 3570 S14 (20N) S11